## **Poliovirus Immunization**

**Future Directions** 

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## **Issues to Consider**

1. More and more OPV might not eliminate wt PV in some locations.

Could IPV help in these locations?

2. Use of OPV is associated with a

significant risk of polio epidemics caused

by **OPV-derivatives** 

 If circulation is not limited by population immunity, these cVDPVs will evolve toward wt phenotype. 3. Failure to detect circulating PV does not guarantee absence of virus

- Imperfect surveillance, isolation, identification, reporting
- Long-term covert circulation without disease

4. Containment of all polioviruses

is not possible, although risks are

unknown and probably low

- Unknown specimens stored everywhere
- Chemical synthesis has become cheap and easy
- Long-term excretors
- Evolution of PV from Coxsackie A virus (or other C cluster enteroviruses) could occur, since it likely did before

5. The consequences of circulation and spread in non-immune populations may be very severe

## Conclusion

**Protection against infection must** 

continue for at least the

foreseeable future